

Pyrophosphate Protects the mAChR from Inactivation by the LMW Inhibitor (n = 3)

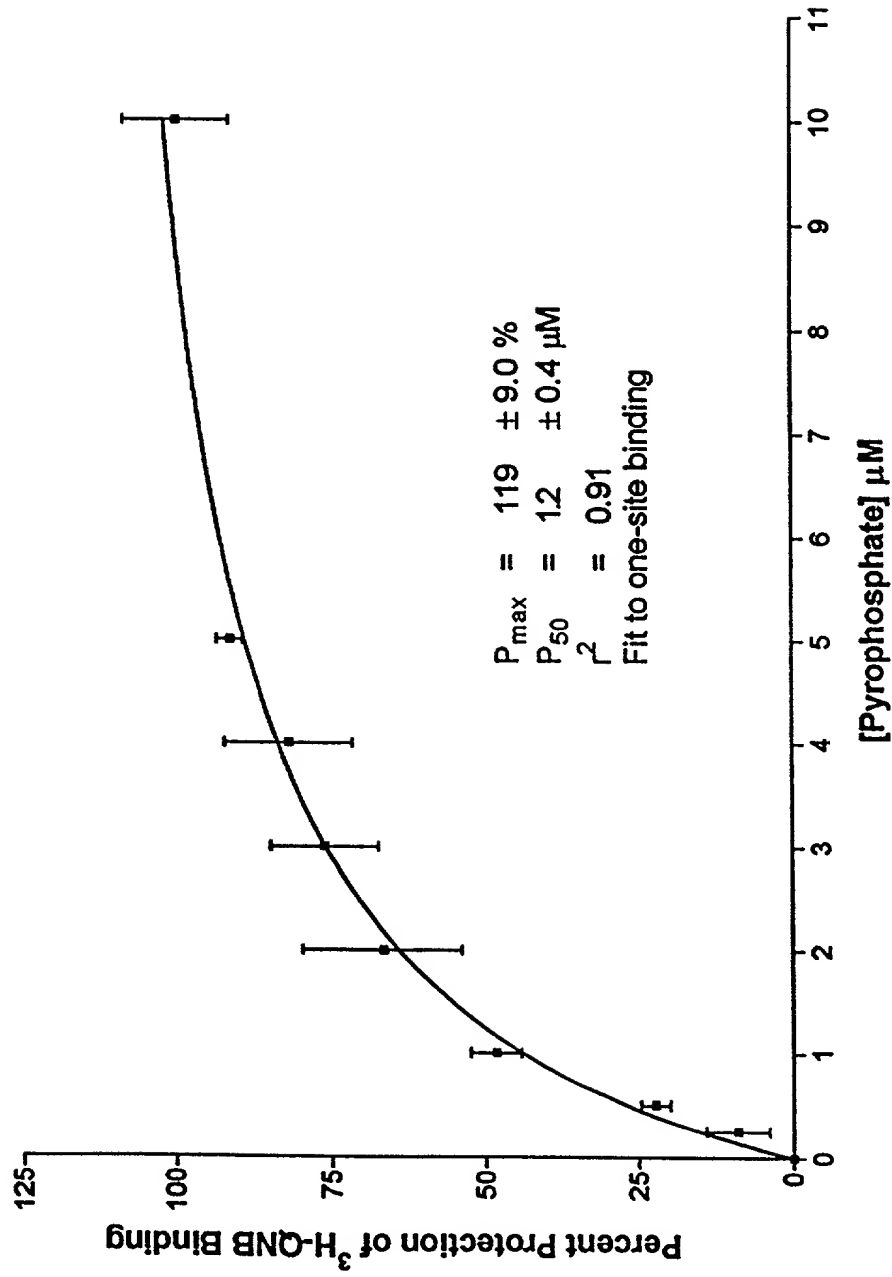


FIGURE 1

**Pyrophosphate Protects the mACHR
from Inactivation by 2 μ M Heme and 100 μ M Peroxide
(n = 10)**

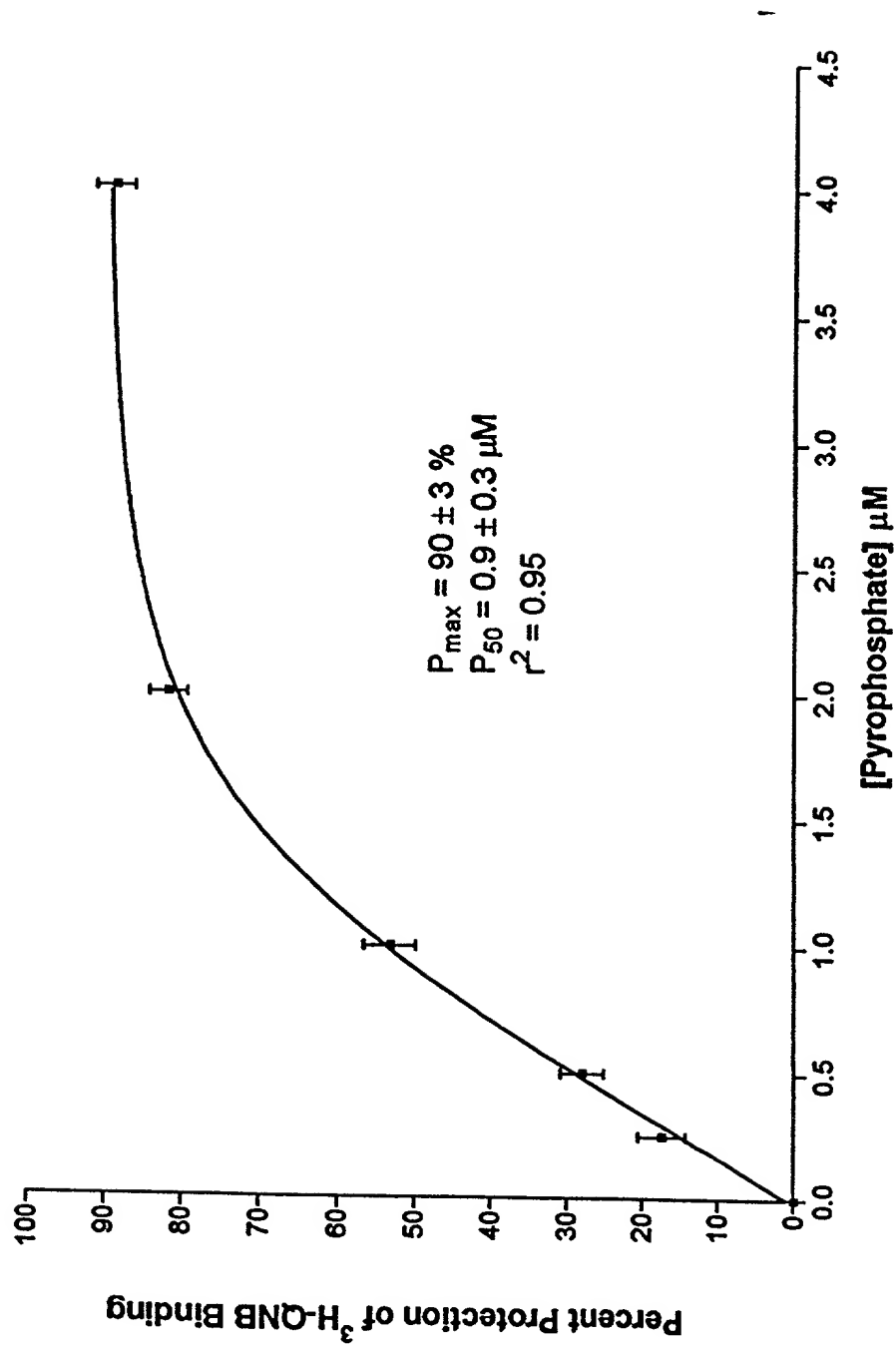


FIGURE 2

Pyrophosphate protects the mAChR from inactivation by the LMW inhibitor in a 2-step agonist binding assay.

(n = 4)

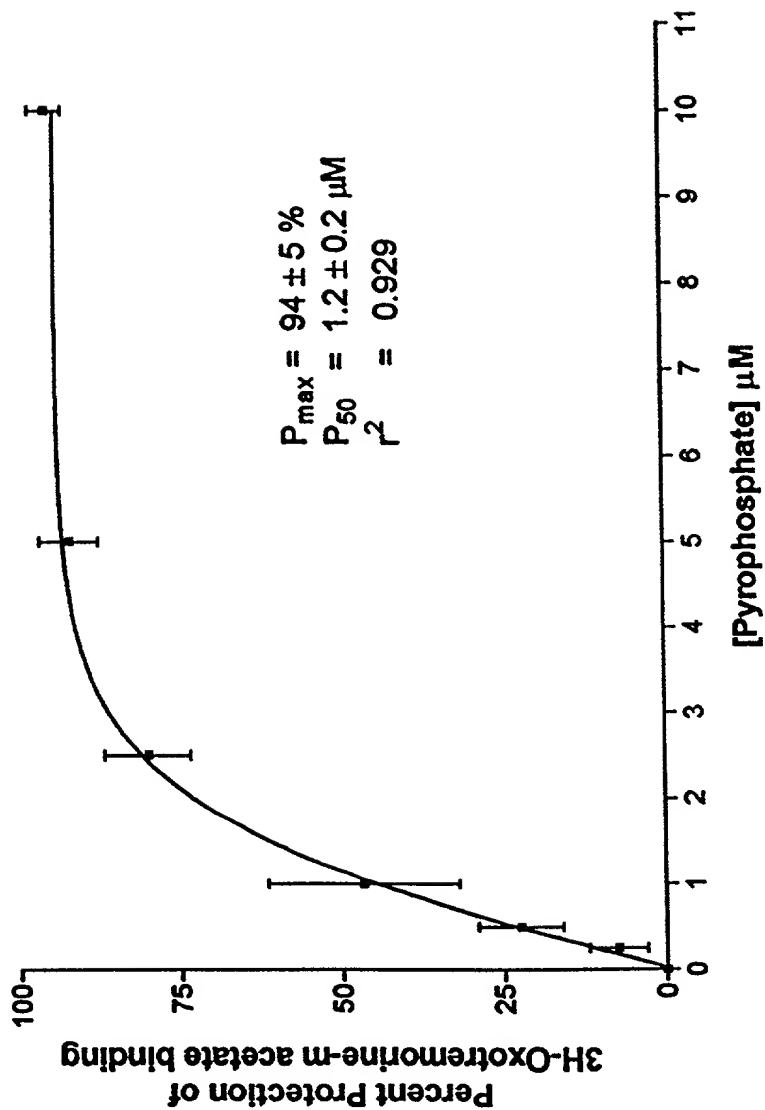


FIGURE 3

**Imidodiphosphate protects the mAChR
from inactivation by the LMW Inhibitor
(n = 5)**

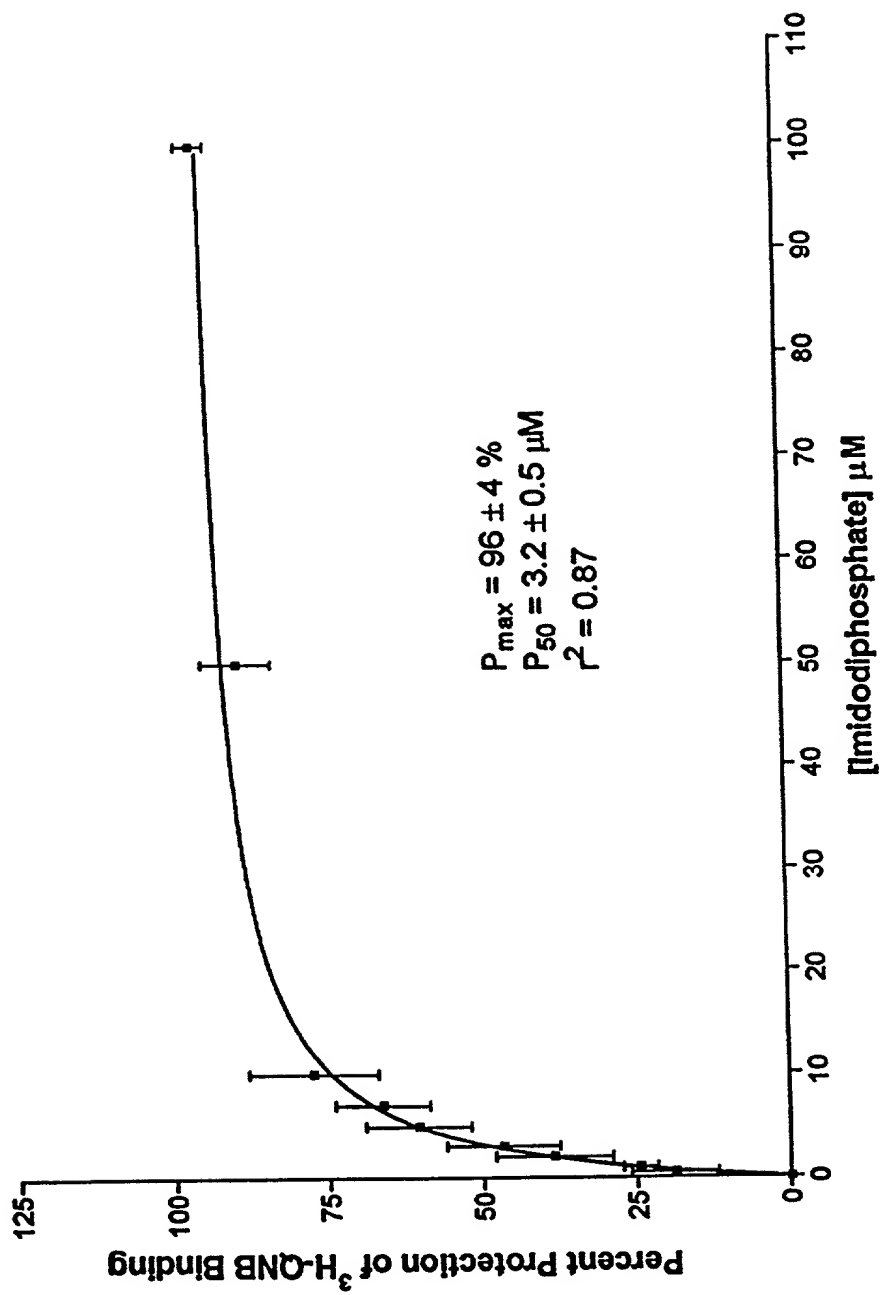


FIGURE 4

**Guanylimidodiphosphate Protects the mAChR
from Inactivation by the LMW Inhibitor
(n = 4)**

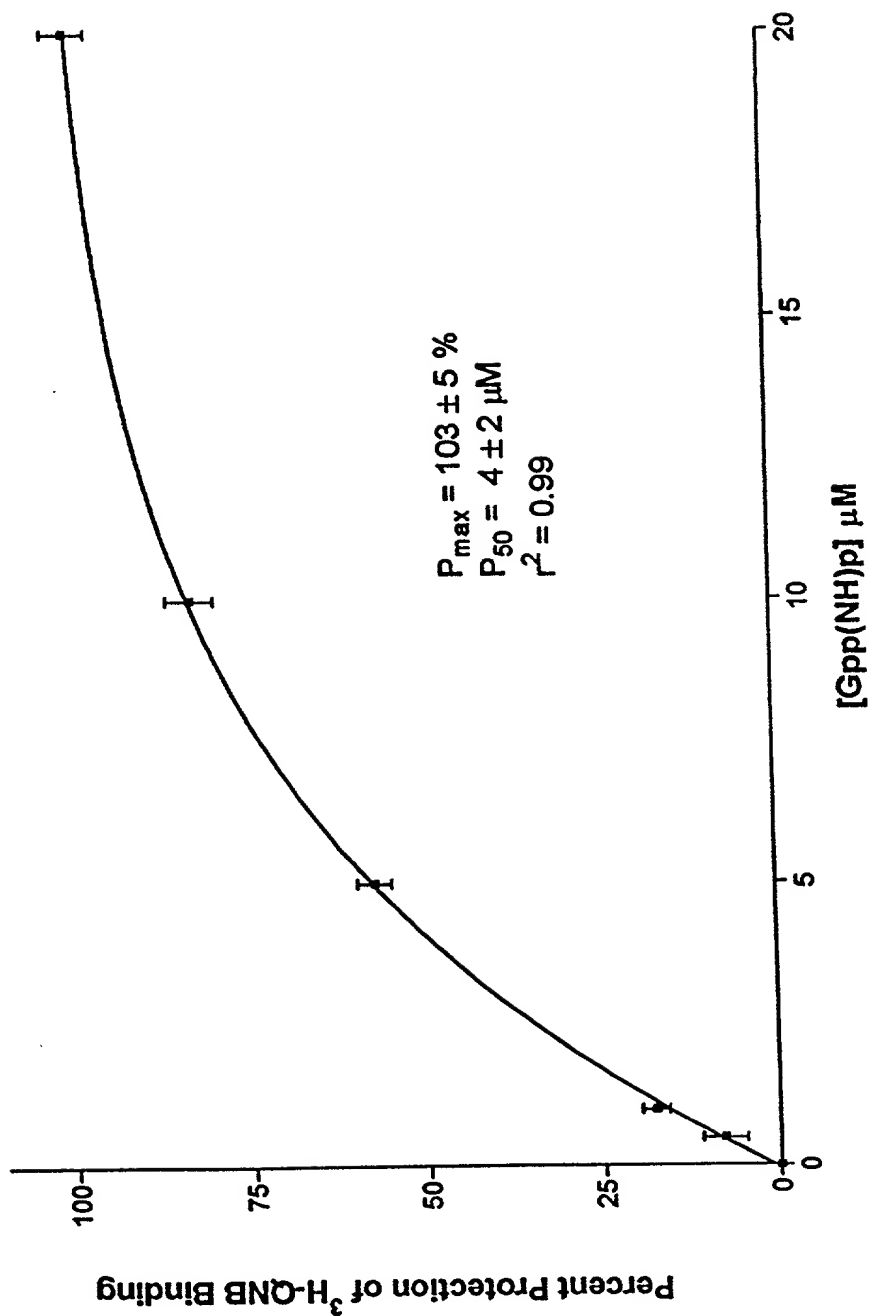


FIGURE 5

Adenylylimidodiphosphate protects the mAChR from inactivation by the LMW inhibitor (n = 3)

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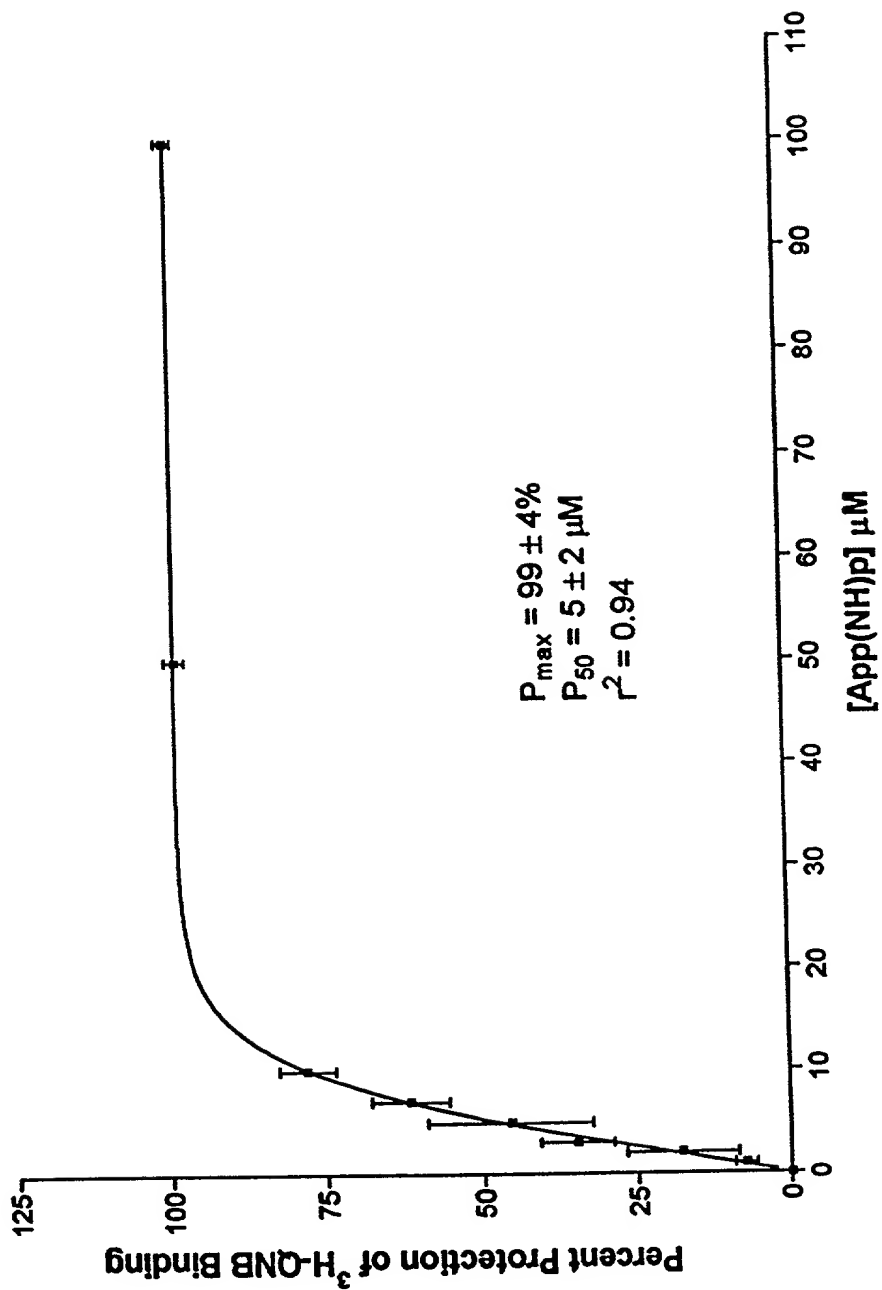


FIGURE 6

Tripolyphosphate Protects the mAChR from LMW Inhibitor Inactivation in Antagonist Binding Studies (n = 4)

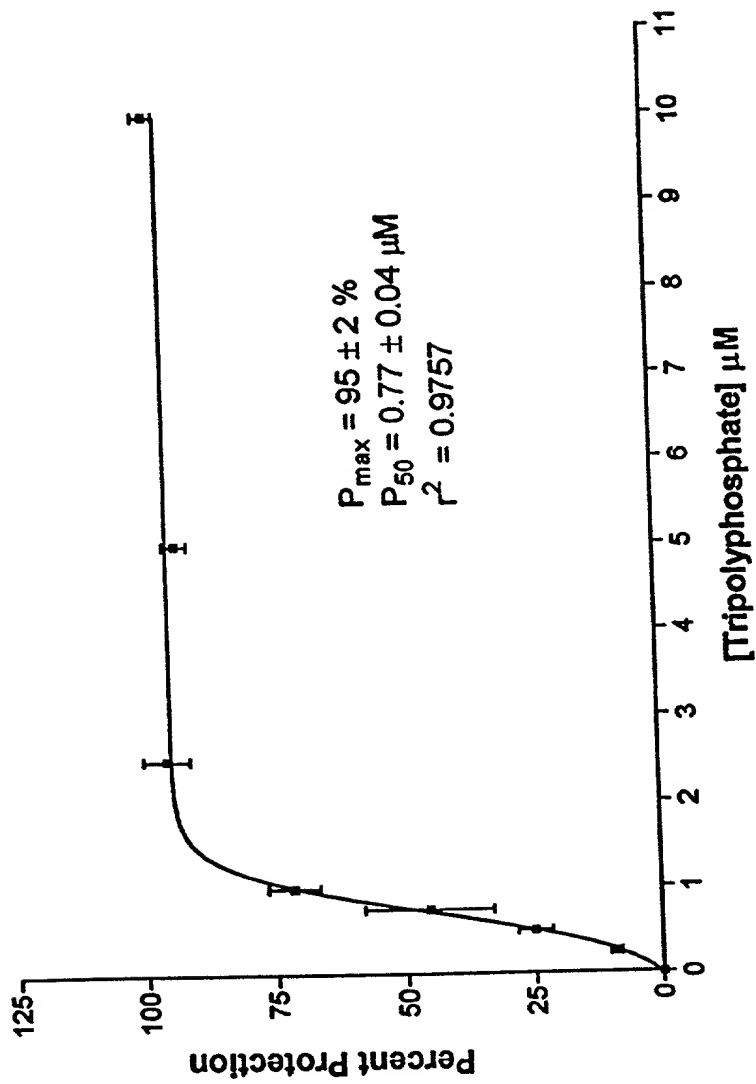


FIGURE 7

Bilirubin Protects the mAChR from Inactivation by the LMW Inhibitor (n = 4)

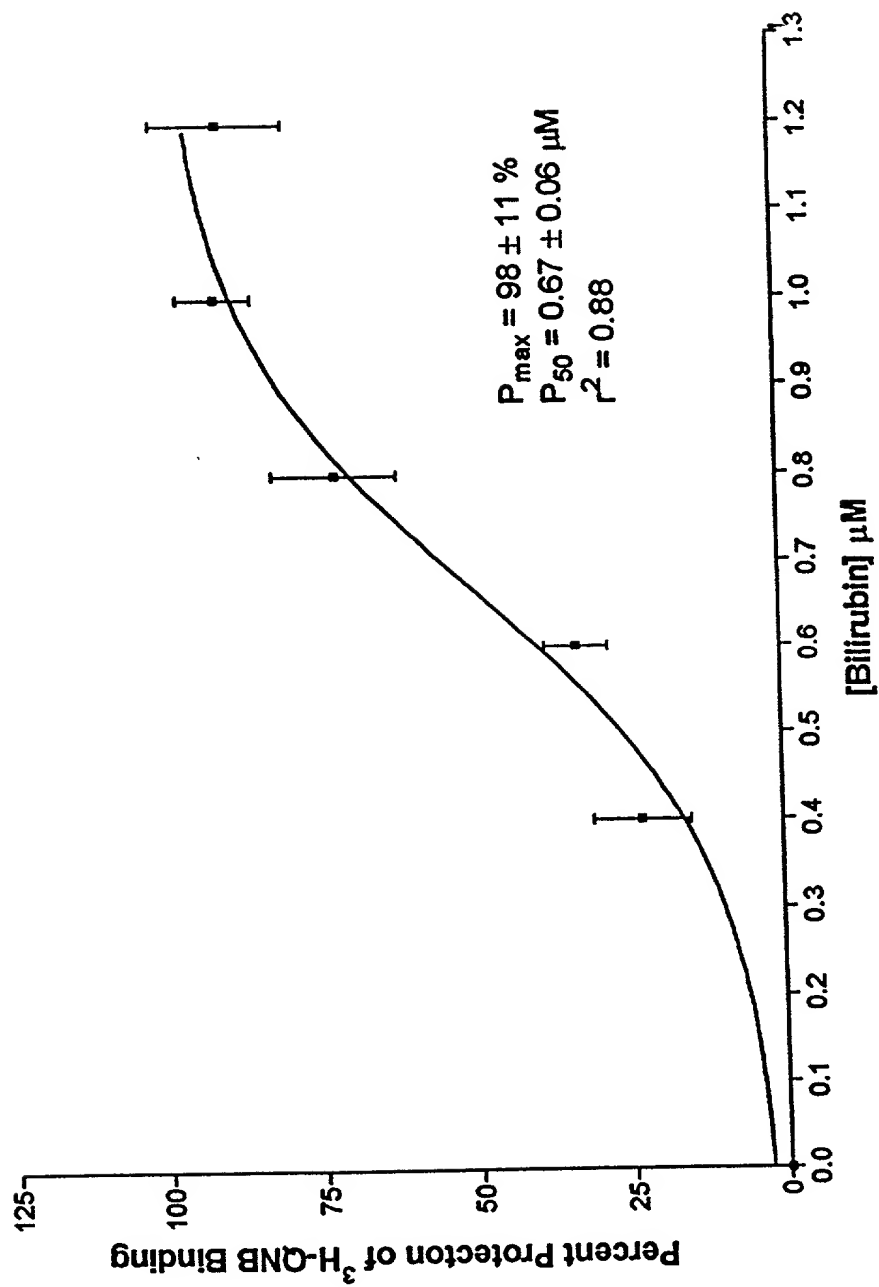


FIGURE 8

Bilirubin Protects the mAChR from Inactivation by 2.0 μ M Heme and 100 μ M Peroxide (n = 4)

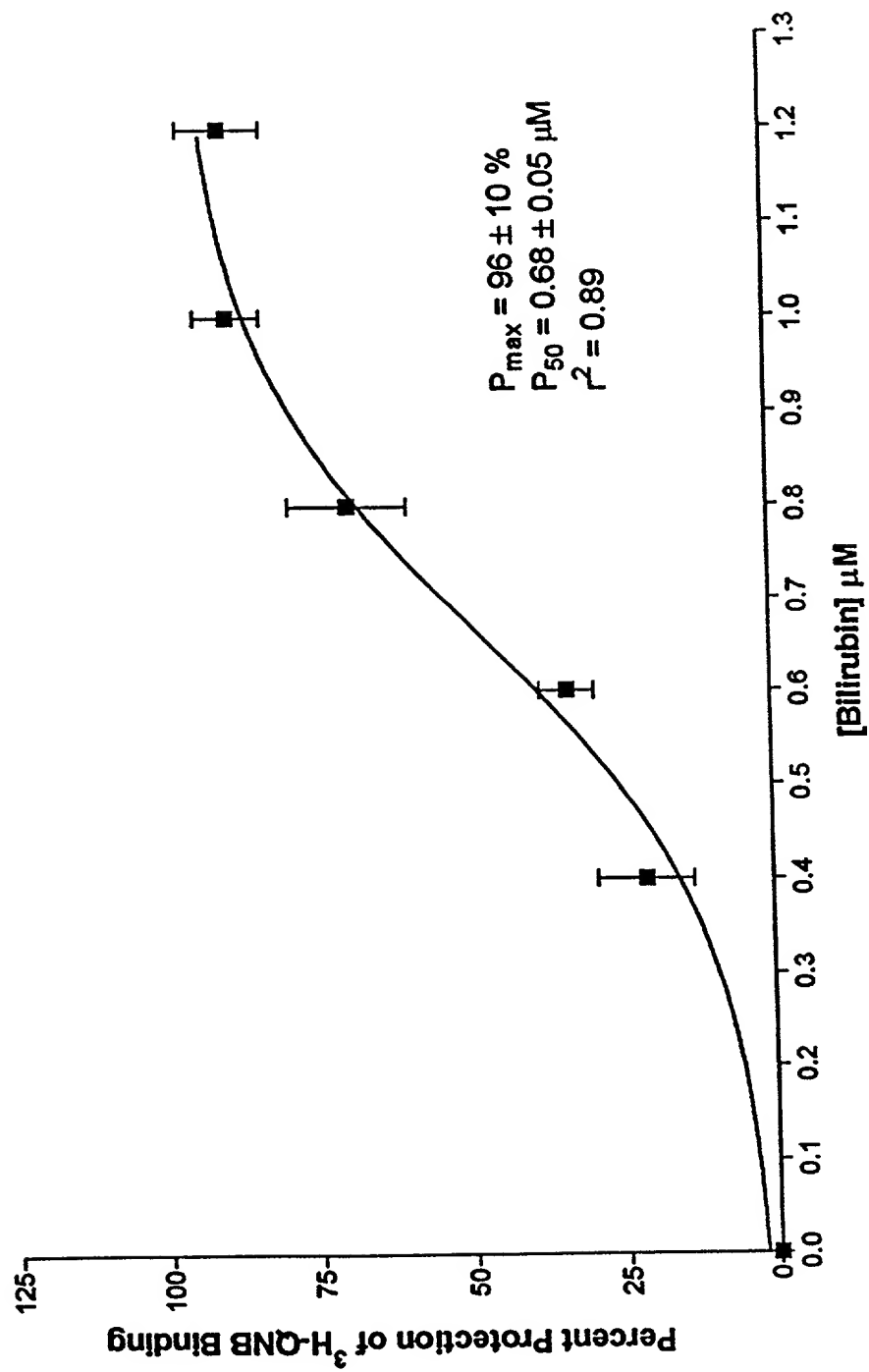


FIGURE 9

**Bilirubin Protects the mAChR from LMW inhibitor
inactivation in the two step agonist (oxotremorine-m)
binding assay
(n = 3)**

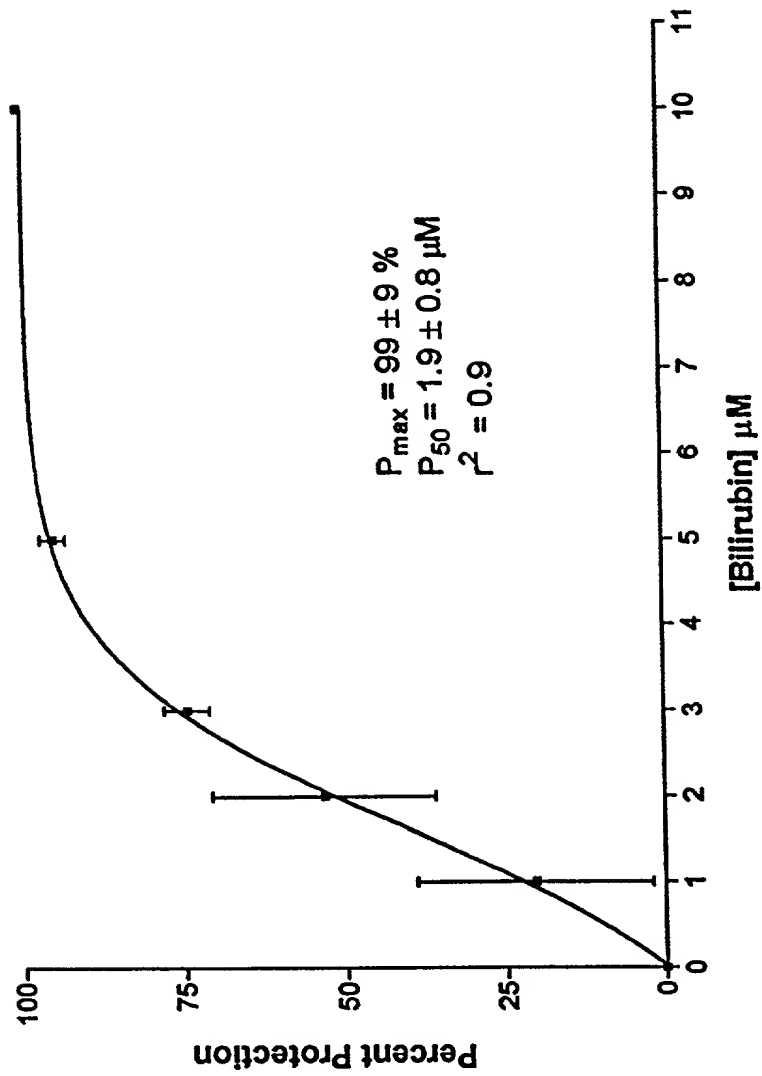


FIGURE 10

**Billiverdin Protects the mAChR
from Inactivation by the LMW Inhibitor
(n = 7)**

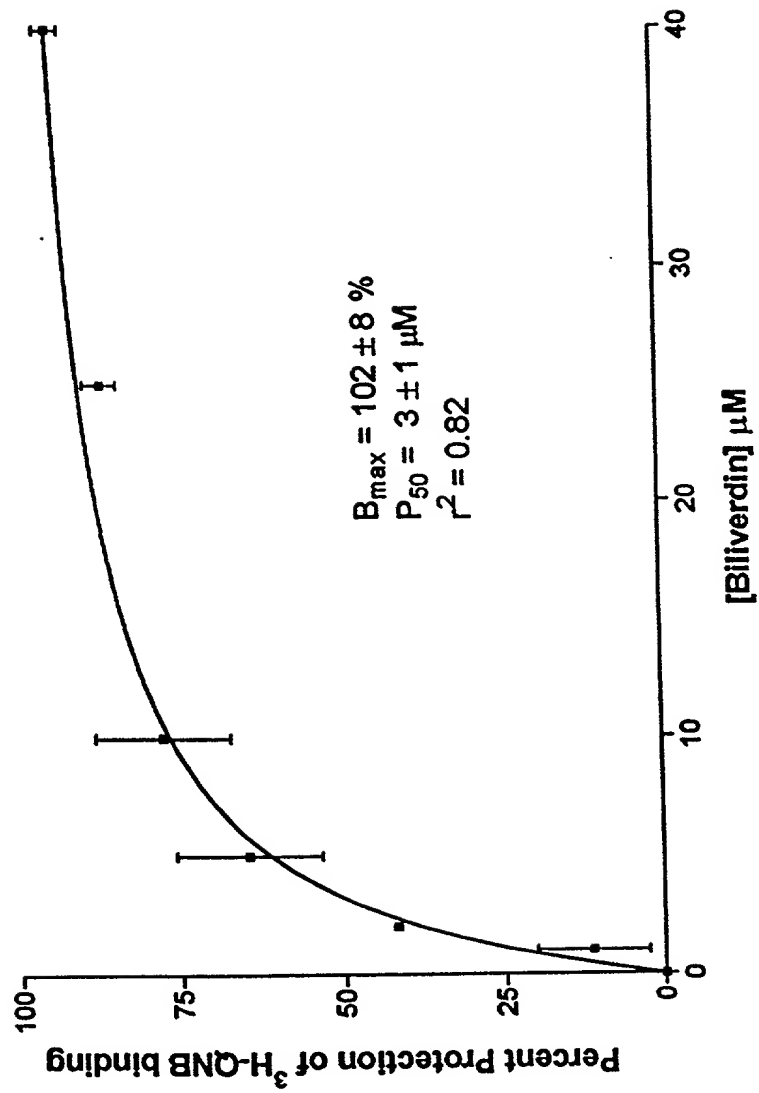
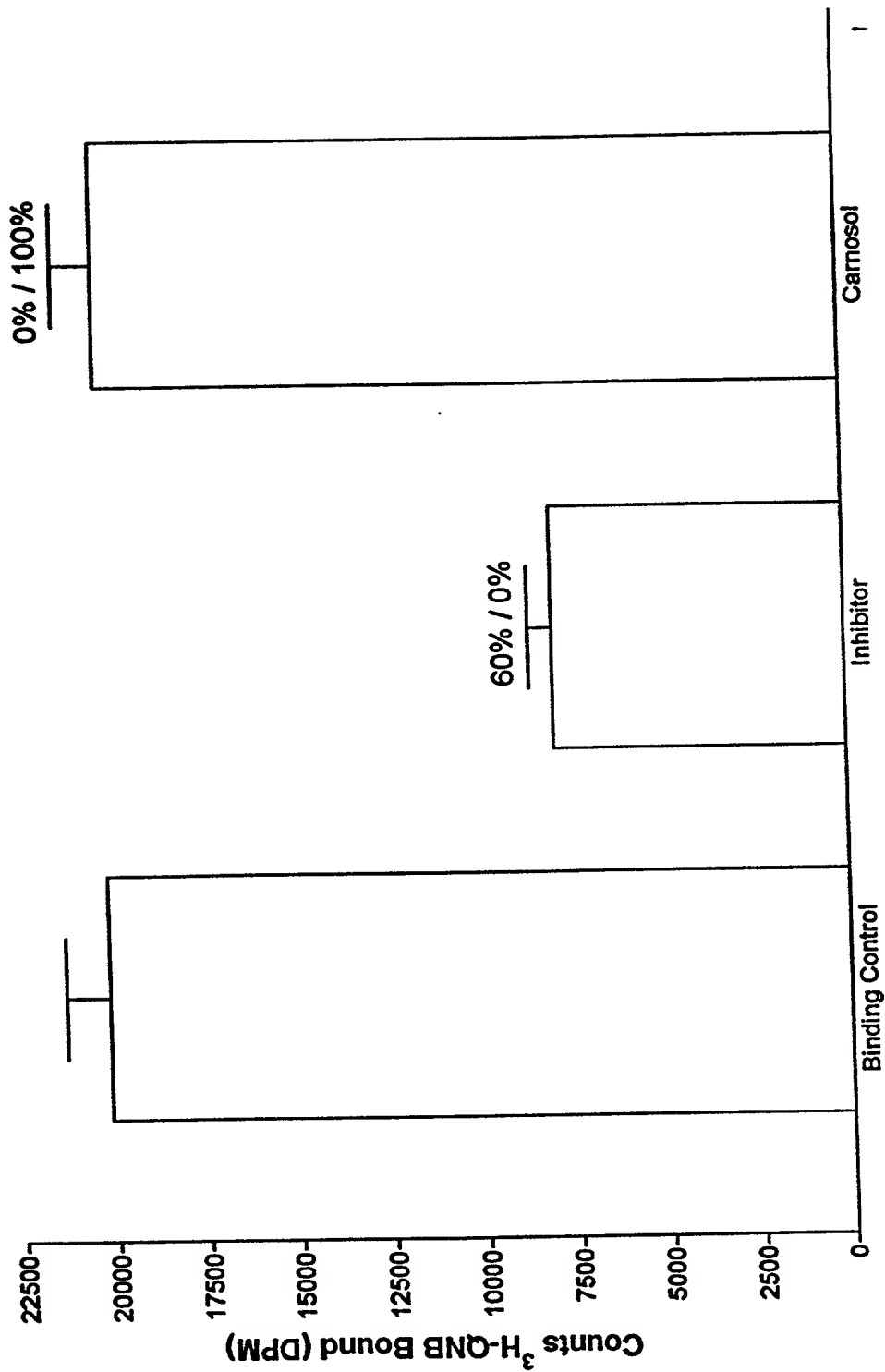


FIGURE 11

**1 μ M Carnosol completely protects the mAChR
from inactivation by the LMW Inhibitor.**



Percentages Represent: Percent inhibition/Percent Protection

FIGURE 12

**Quercetin protects the mAChR
from Inactivation by the LMW Inhibitor
(n = 3)**

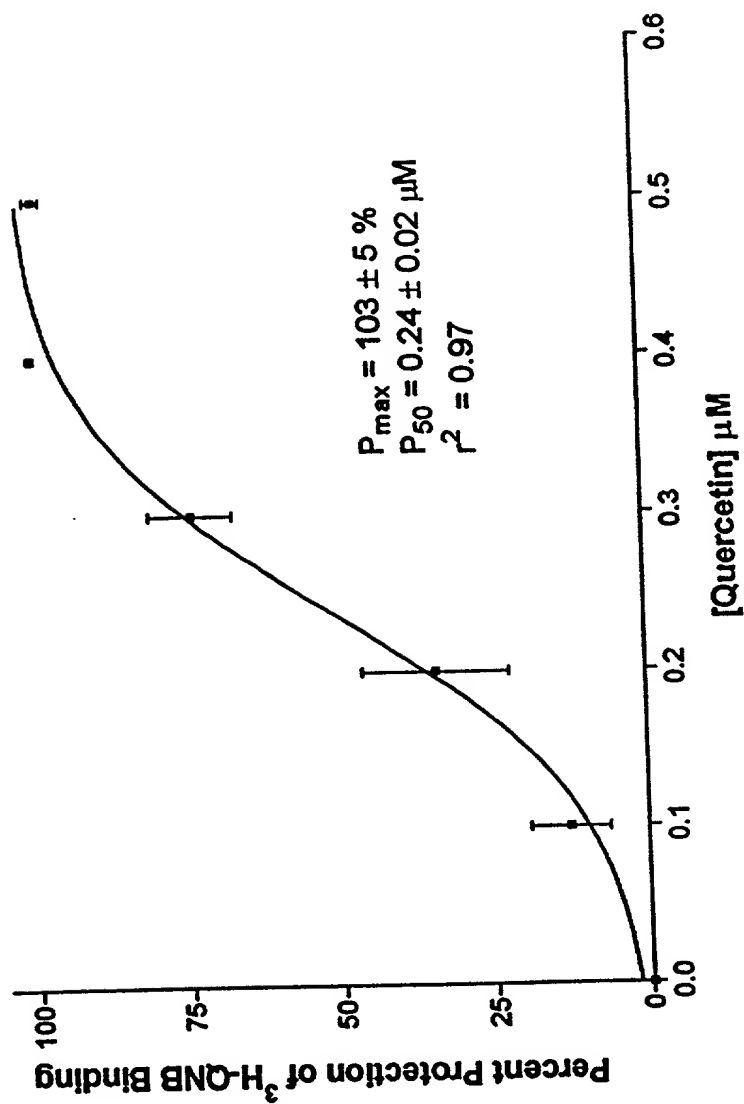


FIGURE 13

Myricetin Protects the mAChR from Inactivation by Heme and Peroxide

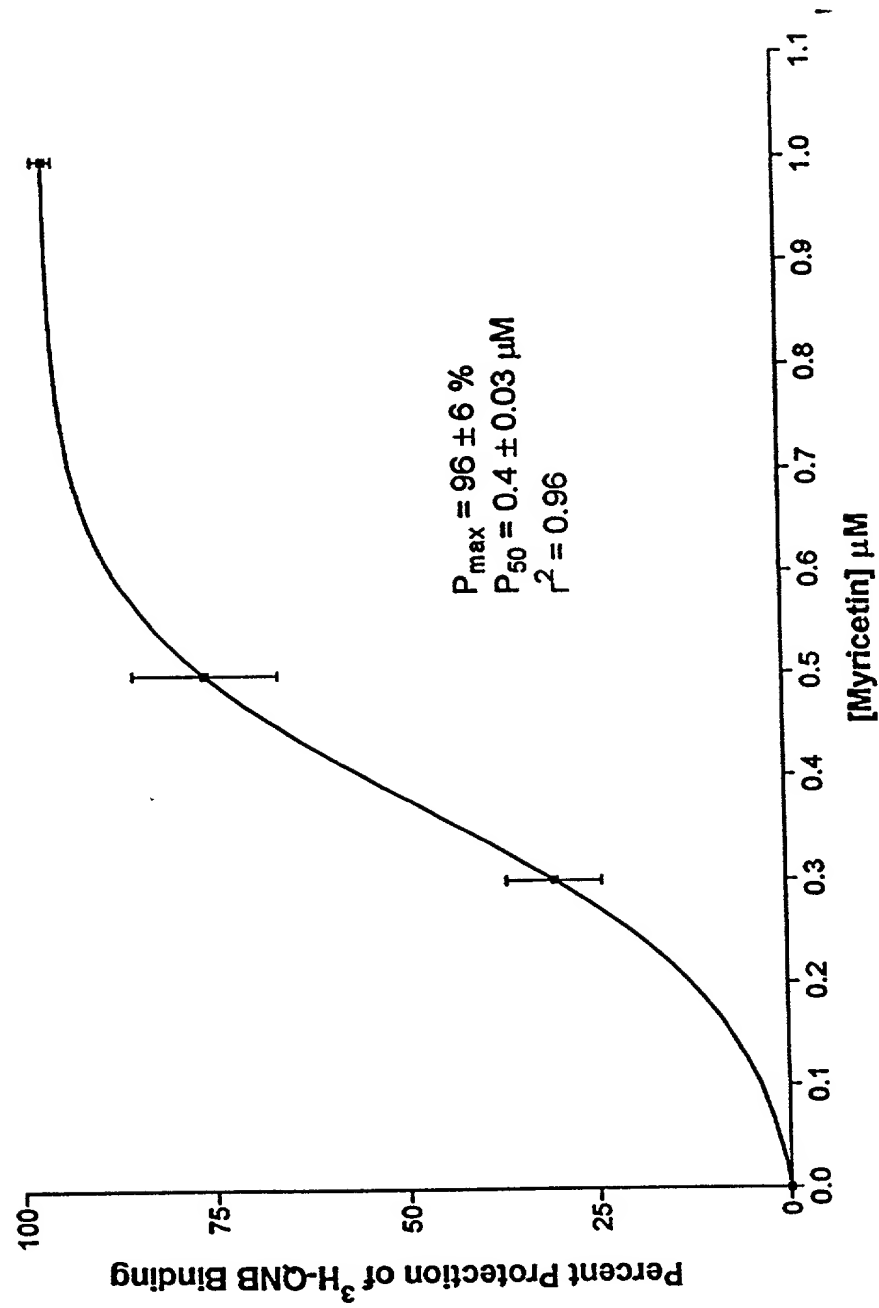


FIGURE 14

Catalase Protects the mAChR from Inactivation by the LMW Inhibitor

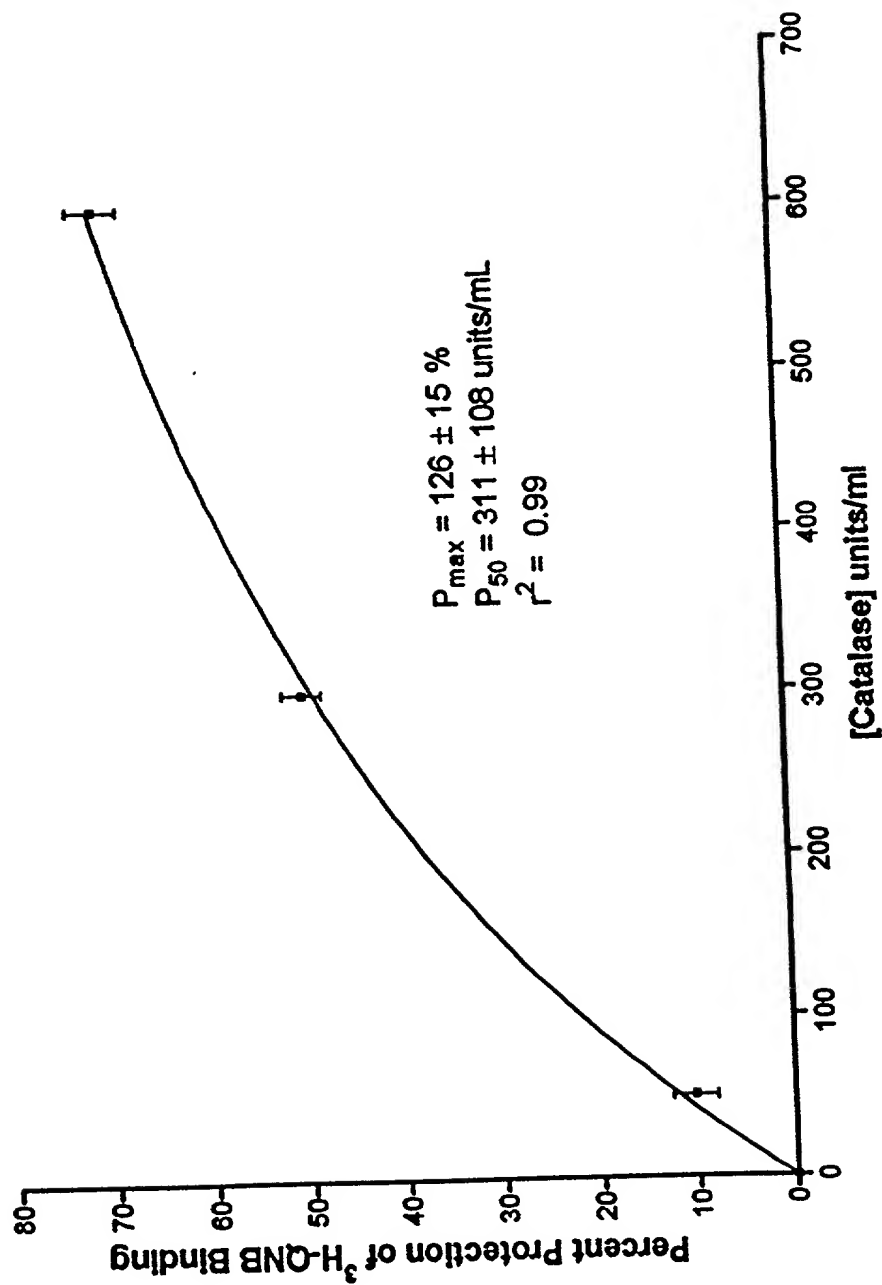


FIGURE 15

Catalase Protects the mACHR from Inactivation by 2.0 μ M Heme and 100 μ M Peroxide

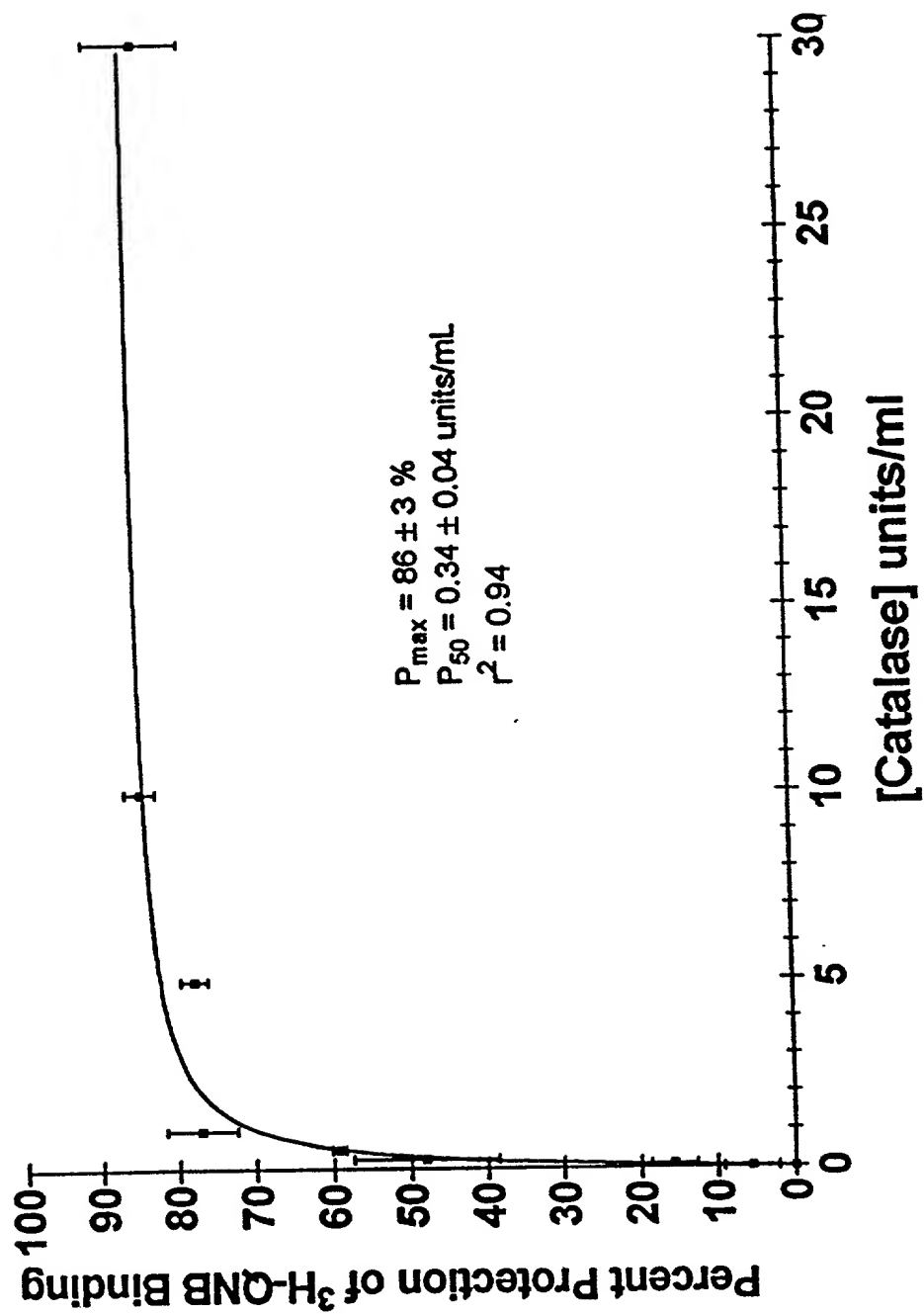
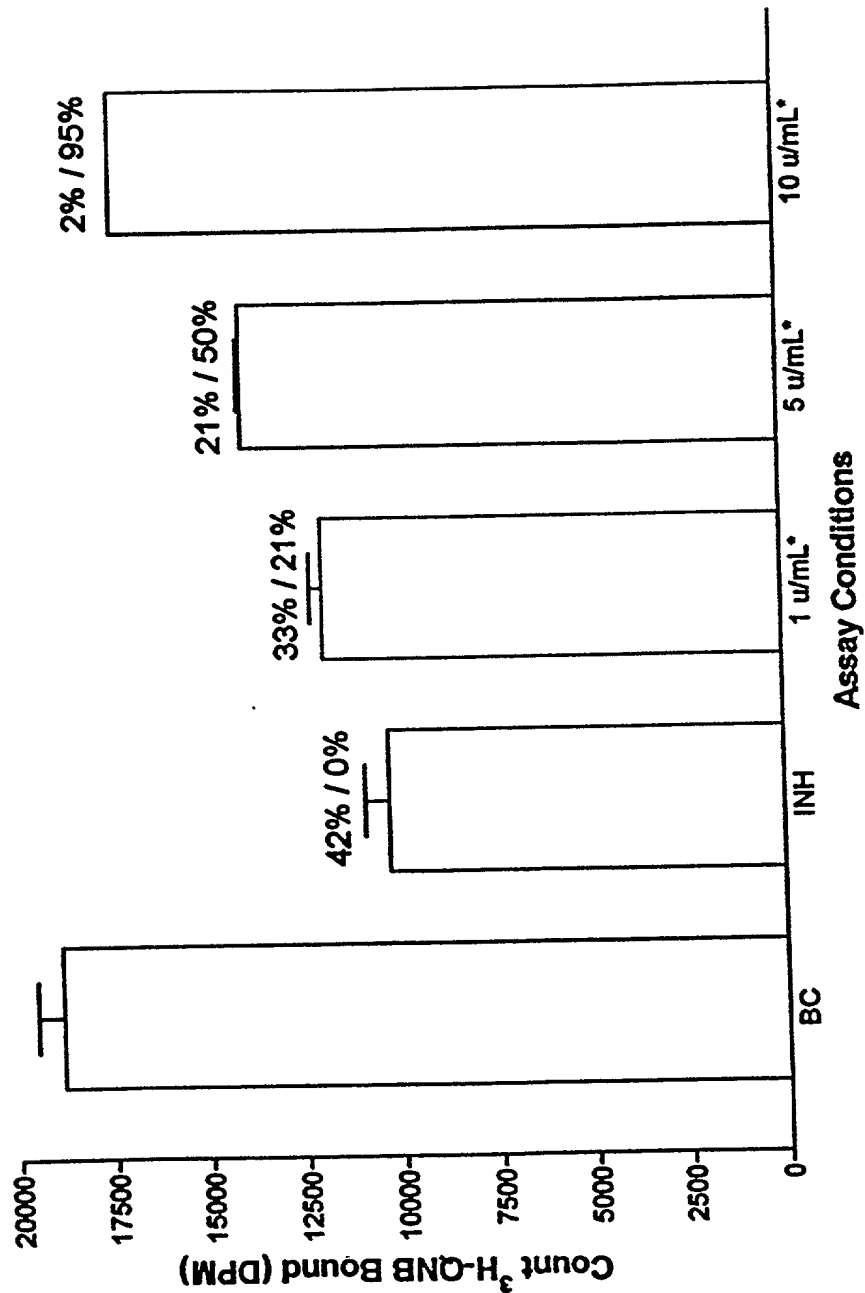


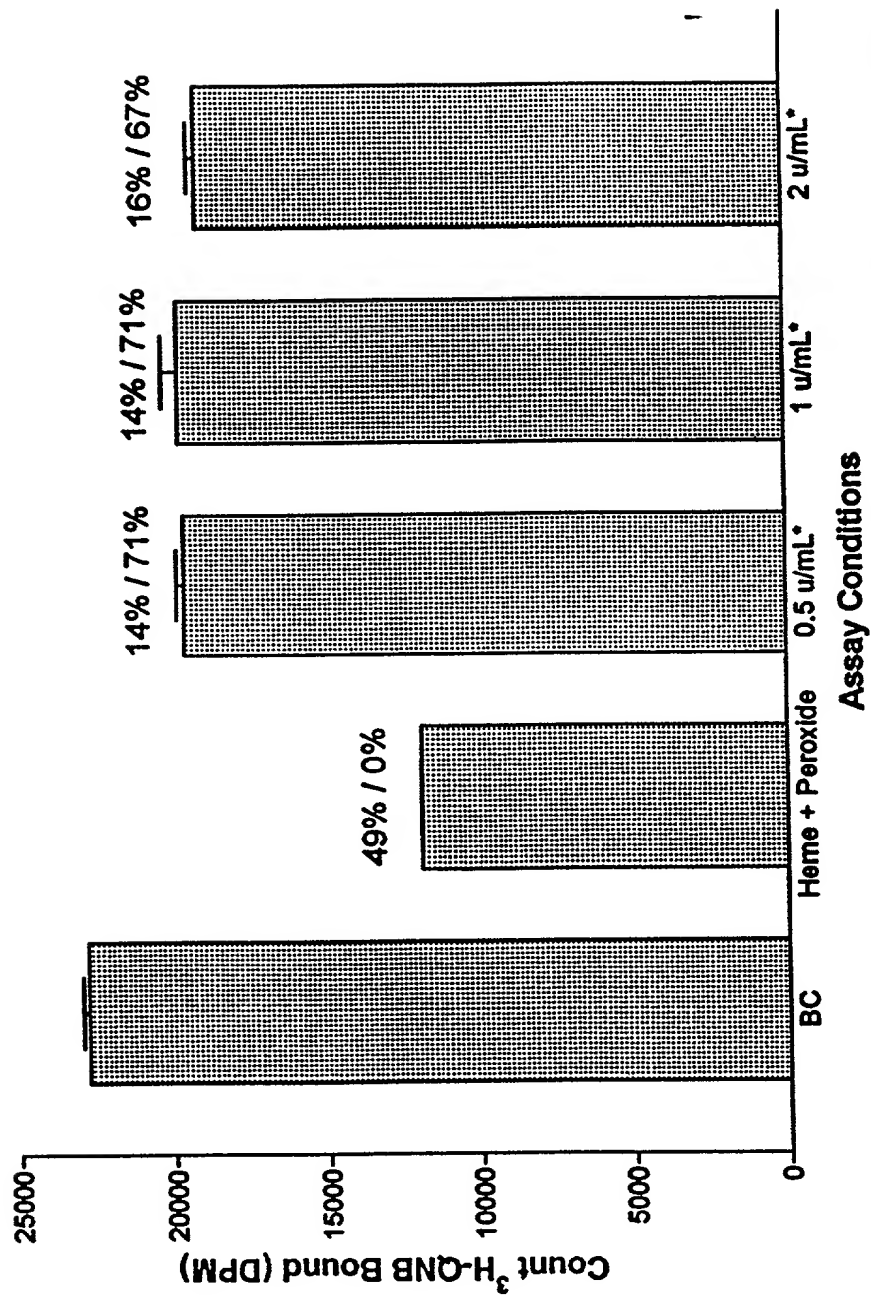
FIGURE 16

Glutathione peroxidase protects the mAChR from inactivation by the LMW Inhibitor



*Glutathione peroxidase concentration in the presence of the LMW Inhibitor
Percentages represent: Percent Inhibition / Percent Protection

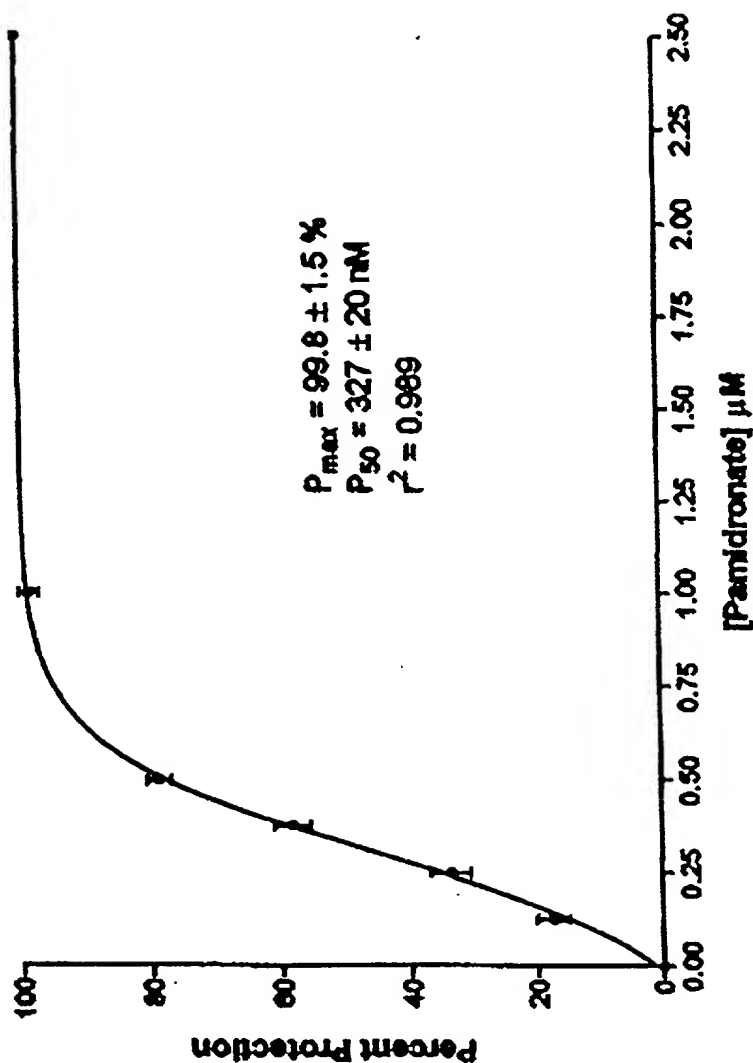
Glutathione peroxidase protects the mAChR from inactivation by 2 μ M Heme and 100 μ M H₂O₂



***Glutathione peroxidase concentration in the presence of Heme and Peroxide**
Percentages represent: Percent Inhibition / Percent Protection

FIGURE 18

**Pamidronate (the active component of Aredia®)
Protects the mAChR from Inactivation
by the LMW Inhibitor
(n=4)**



*Aredia is a drug manufactured by Novartis and is a bone-resorption inhibitor for treatment of hypercalcaemia. All assay tubes contained 7.94 mM Mannitol a component of Aredia which had no effect on binding or inhibition.

**Pyrophosphate Protects the mACHR
from damage by 160 μM PbCl_2**

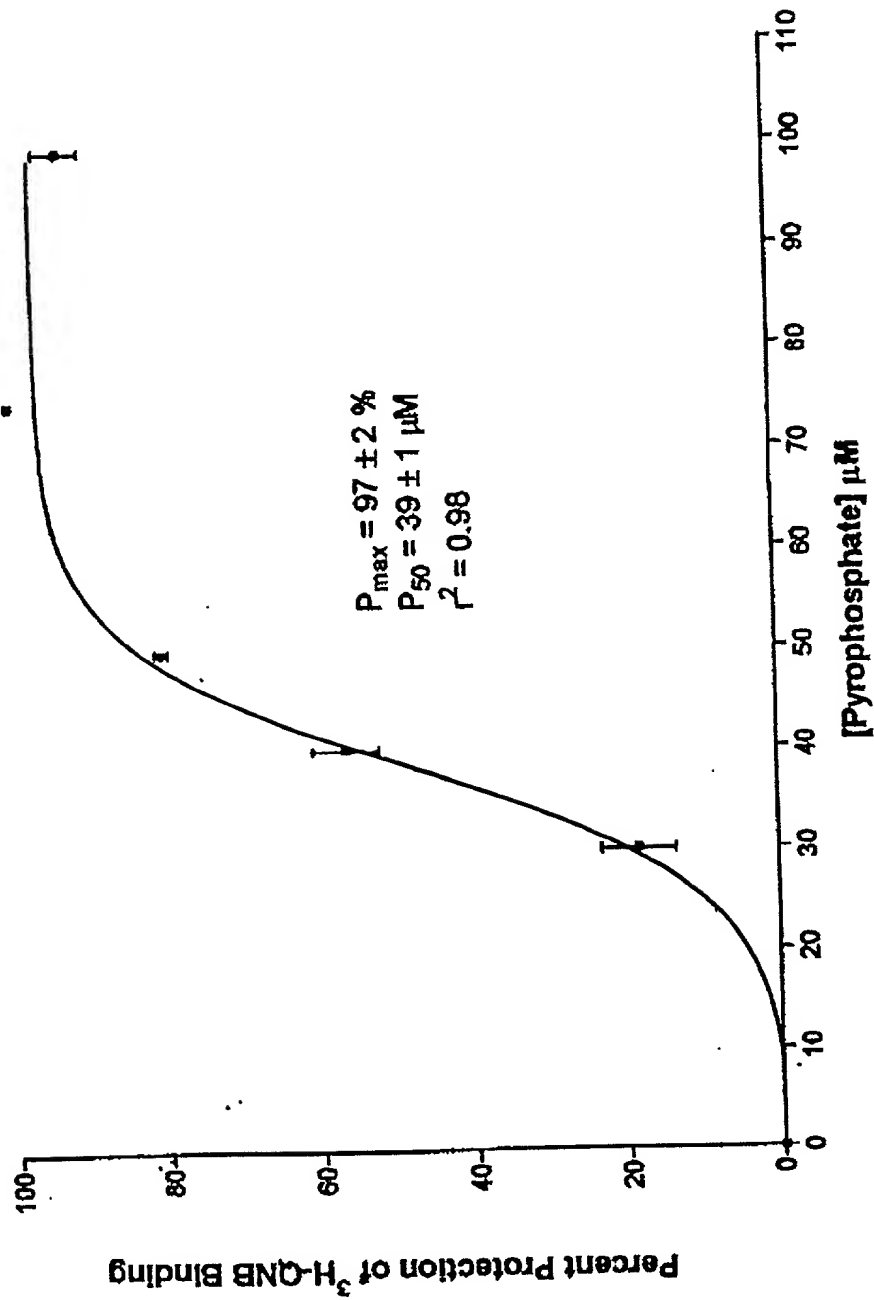


FIGURE 20